



GEOMETRICS LEGEND

PROPOSED GEOMETRICS

EXISTING GEOMETRICS

LEGEND OF UTILITIES

WATER

GAS

UNDERGROUND TELEPHONE

SANITARY SEWER

UNDERGROUND ELECTRIC

AERIAL

STORM DRAIN

SEWAGE FORCE MAIN

CABLE TV

W

G

T

S

E

A

SD

FM

TV

- CONSTRUCTION DETAILS
- A. INSTALL 27 FOOT STEEL POLE, WITH TWIN 50 FOOT AND 60 FOOT MAST ARM. INSTALL SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, SIGNS, PUSHBUTTON AND SIGN, AND 20 FOOT LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM LUMINAIRE WITH PHOTOCELL AS SHOWN.

B. INSTALL 10 FOOT PEDESTAL POLE, PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND SIGN AS SHOWN.

C. MAINTAIN EXISTING PEDESTAL POLE, PEDESTRIAN SIGNAL HEADS, AND PUSHBUTTON AND SIGN AS SHOWN. REWIRE PEDESTRIAN SIGNAL HEADS AND PUSHBUTTON AS DETAILED IN WIRING DIAGRAM.

D. REMOVE AND REPLACE EXISTING MAST ARM ACROSS MD 28 WITH 60 FOOT MAST ARM. CONTRACTOR TO WORK AT NIGHT. INSTALL PROPOSED SIGNAL HEADS AND SIGNS. MAINTAIN EXISTING SIGNAL POLE AND MAST ARM ACROSS POTOMAC VALLEY SHOPPING CENTER DRIVEWAY, PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND LAMP AND LUMINAIRE. REWIRE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND LUMINAIRE AS DETAILED IN WIRING DIAGRAM.

E. INSTALL PROPOSED 6 FOOT X 30 FOOT QUADRUPOLE TYPE LOOP DETECTOR (3-6-3 TURNS) ENCASED IN FLEXIBLE TUBING.

F. ABANDON EXISTING DETECTOR.

G. INSTALL 40 FOOT TEMPORARY WOOD POLE WITH 3-INCH ELECTRICAL CONDUIT PVC RISER. INSTALL 3/4 INCH SPAN WIRE, SIGNAL HEADS, AND SIGN AS SHOWN.

H. INSTALL 1 INCH LIQUID-TIGHT NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.

J. INSTALL ELECTRICAL HANDHOLE.

K. REMOVE EXISTING ELECTRICAL HANDHOLE.

L. INSTALL 40 FOOT TEMPORARY WOOD POLE WITH 3-INCH ELECTRICAL CONDUIT PVC RISER AND 3/4 INCH SPAN WIRE AS SHOWN.

N. INSTALL 3 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED (PRIOR TO SIDEWALK CONSTRUCTION WHERE APPLICABLE).

R. USE EXISTING ELECTRICAL HANDHOLE.

S. REMOVE EXISTING PEDESTAL POLE, PEDESTRIAN SIGNAL HEADS AND FOUNDATION.

T. REMOVE EXISTING SIGNAL POLE, MAST ARM, SIGNAL HEADS AND FOUNDATION.

U. REMOVE EXISTING CONTROLLER, CABINET AND FOUNDATION.

V. INSTALL BASE-MOUNTED NEMA SIZE 6 CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT. FACE CABINET DOORS TOWARDS PROPOSED SIDEWALK AND EXCLUDE STANDING PAD PORTION OF FOUNDATION.

W. CAP AND ABANDON EXISTING ELECTRICAL CONDUIT.

X. USE EXISTING ELECTRICAL CONDUIT.

Y. INSTALL 4 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED (PRIOR TO SIDEWALK CONSTRUCTION WHERE APPLICABLE).

Z. MAINTAIN EXISTING DETECTOR. SPLICE EXISTING LOOP WIRE TO NEW LEAD IN CABLE AT NEAREST HANDHOLE.

AA. PROPOSED UNDERGROUND POWER SERVICE FEED. INSTALL 3 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT (RISER) TO 10 FOOT. ON PEPCO POLE #728467-7458.

BB. INSTALL 24 INCH WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE.

REVISION 'A'

KCI

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REVISIONS	APPROVALS
	PROJECT MANAGER, SIGNAL DESIGN DIVISION
	ORIGINAL
	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	ON
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	FILE
	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNAL PLAN

PHASE I CONSTRUCTION

MD 28 (DARNESTOWN RD) AND POTOMAC VALLEY SHOPPING CENTER

DRAWN BY: S.C.K.

CHECKED BY: STEVE RENZI

SCALE: 1" = 20'

DATE: OCTOBER 1994

F.A.P. NO.

S.H.A. NO.

COUNTY:

LOG MILE:

TS NO.

T.J.M.S. NO.

0107

SHEET NO.

OF

NEMA PHASING

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ALT. Ø4

ALT. Ø8

FLASHING OPERATION

NEMA PHASING NOTES

1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.